SONY

3-860-067-11(1)

Trinitron® Color Video Monitor

Operating Instructions Page 2
Mode d'emploi Page 18
Manual de instrucciones Página 34
Bedienungsanleitung Seite 50
Instruzione per l'uso Pagina 66

Trinitron

PVM-20S1WE

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English

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Dangerously high voltage are present inside the unit.
Do not open the cabinet. Refer servicing to qualified personnel only.

In the event of a malfunction or when maintenance is necessary, consult an authorized Sony dealer.

For the customers in the United Kingdom

WARNING
THIS APPARATUS MUST BE EARTHED

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Ensure that your equipment is connected correctly – If you are in any doubt consult a qualified electrician.

Precaution

On safety

- Operate the unit on 220 – 240 V AC.
- The nameplate indicating operating voltage, power consumption, etc., is located at the rear.
- Should any solid object or liquid fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- Do not drop or place heavy objects on the power cord. If the power cord is damaged, turn off the power immediately. It is dangerous to use the unit with a damaged power cord.
- Unplug the unit from the wall outlet if it is not to be used for several days or more.
- Disconnect the power cord from the AC outlet by grasping the plug, not by pulling the cord.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.

On installation

- Allow adequate air circulation to prevent internal heat build-up.
  Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

On cleaning

To keep the unit looking brand-new, periodically clean it with a mild detergent solution. Never use strong solvents such as thinner or benzine, or abrasive cleansers since they will damage the cabinet. As a safety precaution, unplug the unit before cleaning it.

On repacking

Do not throw away the carton and packing materials. They make an ideal container which to transport the unit. When shipping the unit to another location, repack it as illustrated on the carton.

If you have any questions about this unit, contact your authorized Sony dealer.

Table of Contents

Features **4**
Location and Function of Parts and Controls **6**
Front 6
Rear Panel 8
Using On-Screen Menus **10**
On-Screen Menu Configuration 10
Operation through On-Screen Menus 11
Functions of On-Screen Menus 12
Connections **14**
How to Connect the AC Power Cord 14
How to Connect a Cable to a BNC Connector 14
How to Attach the Rack Mount Bracket Kit 15
Specifications **16**

About this manual

Before operating the unit, please read this manual thoroughly and retain it for future reference.

English

Features

Picture

Trinitron[1] wide picture tube
Trinitron wide picture tube realizes comfortable 16:9 picture viewing, and can also provide 4:3 pictures by switching the selector.

Digital Comb filter
When NTSC and PAL video signals are received, a digital comb filter activates to make more accurate Y/C separation. This contributes to less of a decrease in resolution, cross color and cross luminance phenomena.

Beam current feedback circuit
The built-in beam current feedback circuit assures stable white balance.

Four color system available
The monitor can display NTSC, PAL, SECAM and $NTSC_{4.43}$[2] signals. The appropriate color system is selected automatically.

Blue only mode
In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

Input

Analog RGB/component input connectors
Analog RGB or component (Y, R-Y and B-Y) signals from video equipment can be input through these connectors.

Y/C input connectors
The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, ensuring video quality.

External sync input
When the EXT SYNC selector is in the on position, the monitor can be operated on the sync signal supplied from an external sync generator.

Automatic termination (connector with ⊸ mark only)
The input connector is terminated at 75 ohms inside when no cable is connected to the loop-through output connector. When a cable is connected to an output connector, the 75-ohm termination is automatically released.

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1) "Trinitron" is a registered trademark of Sony Corporation.
2) The $NTSC_{4.43}$ system refers to an NTSC color system in which the subcarrier frequency is modified to 4.43 MHz. When an NTSC recorded video program is played back with a Trident (PAL/SECAM/$NTSC_{4.43}$) VTR, the $NTSC_{4.43}$ signal is output.

Functions

Underscan mode
The signal normally scanned outside of the screen can be monitored in the underscan mode.

Note

When the monitor is in the underscan mode, the dark RGB scanning lines may appear on the top edge of the screen. These are caused by an internal test signal, rather than the input signal.

Horizontal/vertical delay mode
The horizontal and vertical sync signals can be checked simultaneously in the H/V delay mode.

Auto/manual degaussing
Degaussing of the screen can be performed automatically when the power is turned on, or manually by pressing the DEGAUSS button.

On-screen menus
You can set color temperature, CHROMA SET UP, and other settings by using the on-screen menus.

Five menu languages
You can select the menu language from among five languages on the menu.

EIA standard 19-inch rack mounting
By using SLR-103A slide rail (not supplied), the monitor can be mounted in an EIA standard 19-inch rack.

For details on mounting, refer to the instruction manuals supplied with the slide rail.

SDI (Serial Digital Interface) Kit
By using the following optional SDI Kits, the monitor can display SMPTE 259M 4:2:2 serial digital signal from a digital VCR. (ex. Sony 4:2:2 VCR)

- BKM-101C: Component SDI Kit (for video)
- BKM-102: Component SDI Kit (for audio)

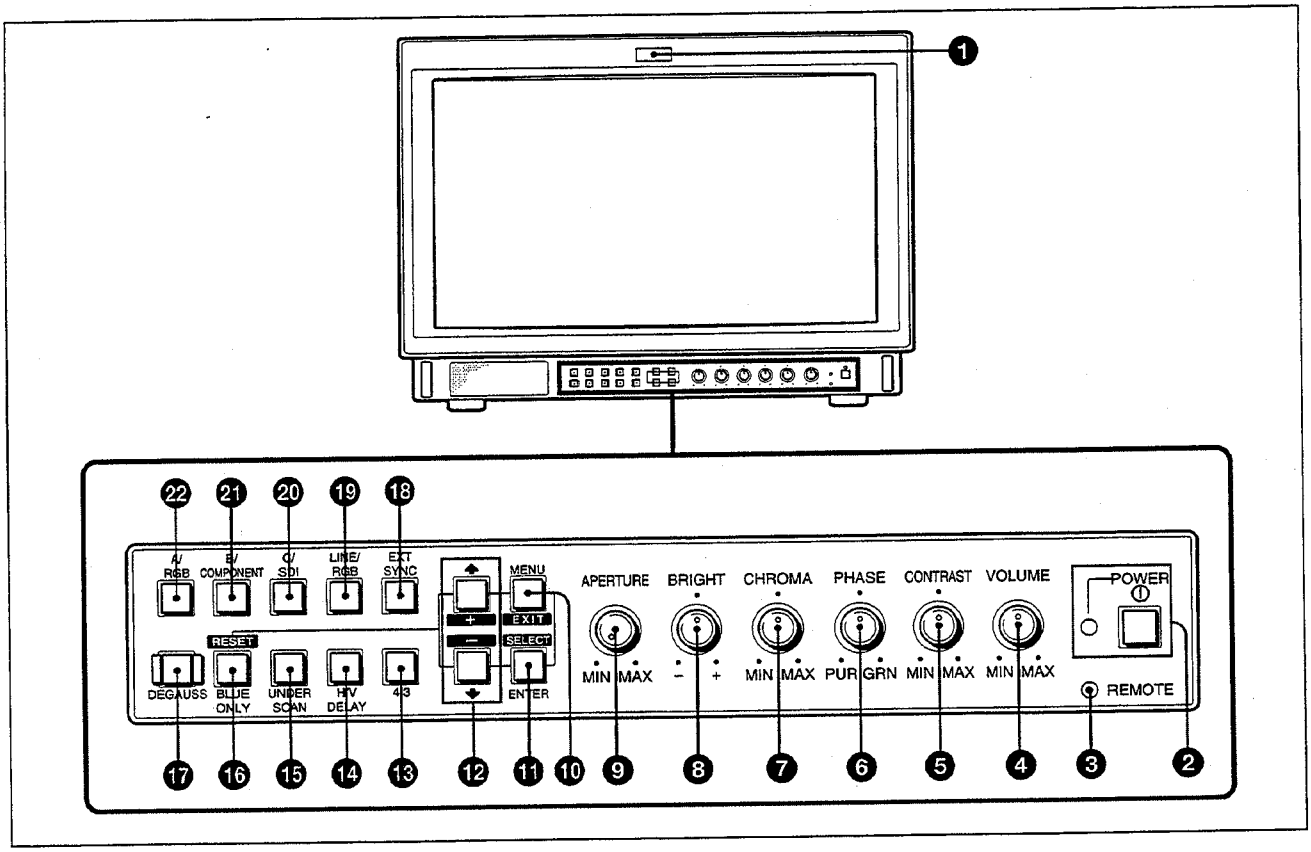
Note

When the serial number of the BKM-101C you want to connect is less than 2,010,000, an optional connecting harness (part no. 1-900-230-35) will be required.

Serial Remote Interface Kit
By using the optional BKM-103 Serial Remote Interface Kit, the monitor can be controlled from personal computers via the RS-422A serial interface.

Location and Function of Parts and Controls

Front



❶ Tally lamp
Lights up when the video camera connected to this monitor is selected, indicating that the picture is being recorded.

For details on how to light the tally lamp, see page 17.

❷ POWER switch and indicator
Depress to turn on the monitor. The indicator will light green.

❸ REMOTE indicator
Lights up when you select ON on the USER PRESET menu (see page 13), or when you connect a supplied cable to the REMOTE connector. The controls on the front panel do not work when this indicator lights up.

For details on how to connect the cable, see page 17.

❹ VOLUME control
Turn this control clockwise or counterclockwise to obtain the desired volume.

❺ CONTRAST control
Turn this control clockwise to make the contrast higher or counterclockwise to make it lower.

❻ PHASE control
This control is effective only for the NTSC and NTSC4.43 color systems. Turn it clockwise to make the skin tones greenish or counterclockwise to make them purplish.

❼ CHROMA control
Turn this control clockwise to increase the color intensity or counterclockwise to decrease it.

❽ BRIGHT (brightness) control
Turn this control clockwise to increase the brightness or counterclockwise to decrease it.

❾ APERTURE control
Turn this control clockwise to increase sharpness or counterclockwise to decrease it.

Note

The PHASE (❻), CHROMA (❼) and APERTURE (❾) controls have no effect on the pictures of RGB signals.

❿ MENU (EXIT) button

Press this button to display the main menu.
When a menu is on the display, you can return to the previous menu by pressing this button.

⓫ ENTER (SELECT) button

Press the button to confirm a selected item on the menu.

⓬ ↑ (+)/ ↓ (–) buttons

Press the buttons to move the cursor (▶) or adjust selected item on the menu.

⓭ 4:3 selector

Press this selector (light on) to monitor the signals of 4:3 picture.

⓮ H/V DELAY selector

Press this selector (light on) to observe the horizontal and vertical sync signals at the same time.
The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of the screen.

⓯ UNDER SCAN selector

Press this selector (light on) for underscanning.
The display size is reduced by approximately 5% so that four corners of the raster are visible.

⓰ BLUE ONLY selector RESET button

- As the BLUE ONLY selector, press this selector (light on) to eliminate the red and green signals. Only blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" adjustments and observation of VCR noise.
  ("Phase" adjustment is effective only for the NTSC signals.)
- As the RESET button, you can reset the menu settings by pressing this button when a menu is on the display.

⓱ DEGAUSS button

Press this button momentarily. The screen will be demagnetized. Wait for 10 minutes or more before using this button again.

⓲ EXT SYNC (external sync) selector

- Set this selector to the off position (light off) to operate the monitor on the sync signal from the displayed video signal.
- Set this selector to the on position (light on) to operate the monitor on an external sync signal through the EXT SYNC connector.

⓳ LINE/RGB input selector

Press this selector to select the input to be monitored.

- Set this selector to the off position (light off) to monitor the signal through the LINE A, LINE B or LINE C connectors.
- Set this selector to the on position (light on) to monitor the signal through the RGB/COMPONENT connectors.

⓴ C/SDI selector

- When the LINE/RGB input selector is set to the LINE position (light off), press this selector (light on) to monitor the signal through the LINE C connectors.
- When the LINE/RGB input selector is set to the RGB position (light on), press this selector (light on) to monitor the SDI signal (optional kits are required).

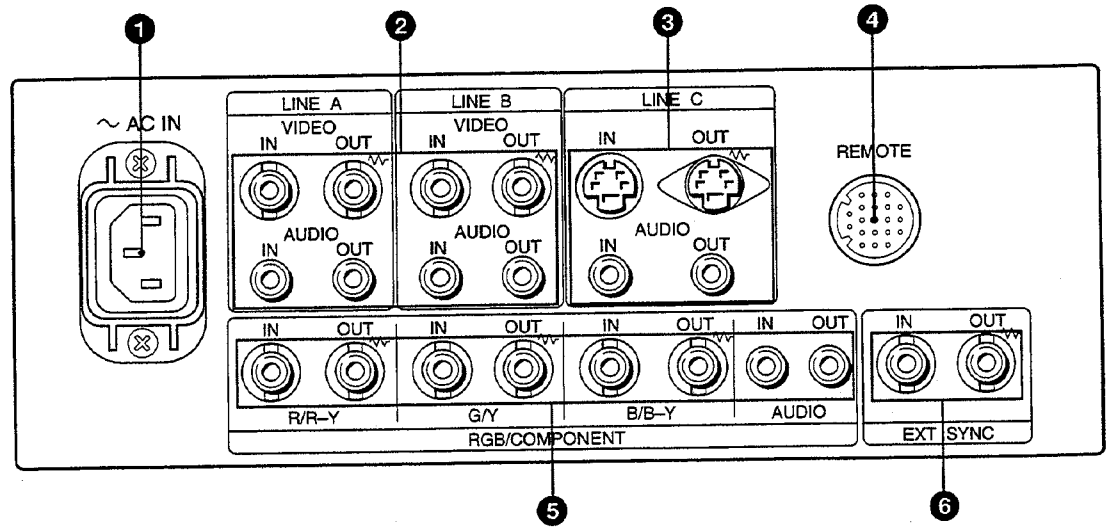
㉑ B/COMPONENT selector

- When the LINE/RGB input selector is set to the LINE position (light off), press this selector (light on) to monitor the signal through the LINE B connectors.
- When the LINE/RGB input selector is set to the RGB position (light on), press this selector (light on) to monitor the component signal through the RGB/COMPONENT connectors.

㉒ A/RGB selector

- When the LINE/RGB input selector is set to the LINE position (light off), press this selector (light on) to monitor the signal through the LINE A connectors.
- When the LINE/RGB input selector is set to the RGB position (light on), press this selector (light on) to monitor the RGB signal through the RGB/COMPONENT connectors.

Rear Panel



(The ⌇⌇ mark indicates automatic termination.)

❶ AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

❷ LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.
To monitor the input signal through these connectors, set the LINE/RGB selector to the LINE position (light off) and press the A/RGB or B/COMPONENT selector (light on).

VIDEO IN (BNC)
Connect to the video output of video equipment, such as a VCR or a color video camera.
For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT (BNC)
Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.
When the cable is connected to this connector, the 75-ohm termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

AUDIO IN (phono jack)
Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier.
For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT (phono jack)
Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

❸ LINE C connectors

Y/C IN (4-pin mini-DIN)
Connect to the Y/C separate output of a video camera, VCR or other video equipment.
For a loop-through connection, connect to the Y/C separate output of a VCR or another monitor.

Y/C OUT (4-pin mini-DIN)
Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor.
When the cable is connected to this connector, the 75-ohm termination of the input is automatically released, and the signal input to the Y/C IN connector is output from this connector.

AUDIO IN (phono jack)
Connect to the audio output of a VCR or a microphone (via a suitable microphone amplifier).

AUDIO OUT (phono jack)
Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

❹ REMOTE connector (20-pin)
Connect to the tally output of a control console, special-effect generator, etc. The tally lamp on the front panel will be turned on and off by the connected equipment. This connector can also be used for connecting a remote control unit.

For details on the pin assignment of this connector, see page 17.

❺ RGB/COMPONENT connectors
RGB signal or component signal input connectors and their loop-through output connectors.
To monitor the input signal through these connectors, set the LINE/RGB selector to the RGB position (light on), and press the A/RGB or B/COMPONENT selector (light on).

R/R-Y IN, G/Y IN, B/B-Y IN (BNC)
When the EXT SYNC selector is set to the off position (light off), the monitor operates on the sync signal from the G/Y channel.

To monitor the RGB signal
Connect to the analog RGB signal outputs of a video camera, etc.

To monitor the component signal
Connect to the R-Y/Y/B-Y component signal outputs of a Sony Betacam video camera, etc.

R/R-Y OUT, G/Y OUT, B/B-Y OUT (BNC)
Loop-through outputs of the R/R-Y IN, G/Y IN, B/B-Y IN connectors.
When the cables are connected to these connectors, the 75-ohm termination of the inputs is automatically released, and the signal inputs to the R/R-Y IN, G/Y IN, B/B-Y IN connectors are output from these connectors.

To output the RGB signal
Connect to the analog RGB signal inputs of a video printer or another monitor.

To output the component signal
Connect to the R-Y/Y/B-Y component signal inputs of a Betacam video recorder, etc.

AUDIO IN (phono jack)
Connect to the audio output of video equipment when the analog RGB or component signal is input.

AUDIO OUT (phono jack)
Loop-through outputs of the AUDIO IN connector.

❻ EXT SYNC (external sync) connectors
Press the EXT SYNC selector (light on) to use the sync signal through this connector.

IN (BNC)
When this monitor operates on an external sync signal, connect the reference signal from a sync generator to this connector.

OUT (BNC)
Loop-through output of the IN connector. Connect to the external sync input of video equipment to be synchronized with this monitor.
When the cable is connected to this connector, the 75-ohm termination of the input is automatically released, and the signal input to the IN connector is output from this connector.

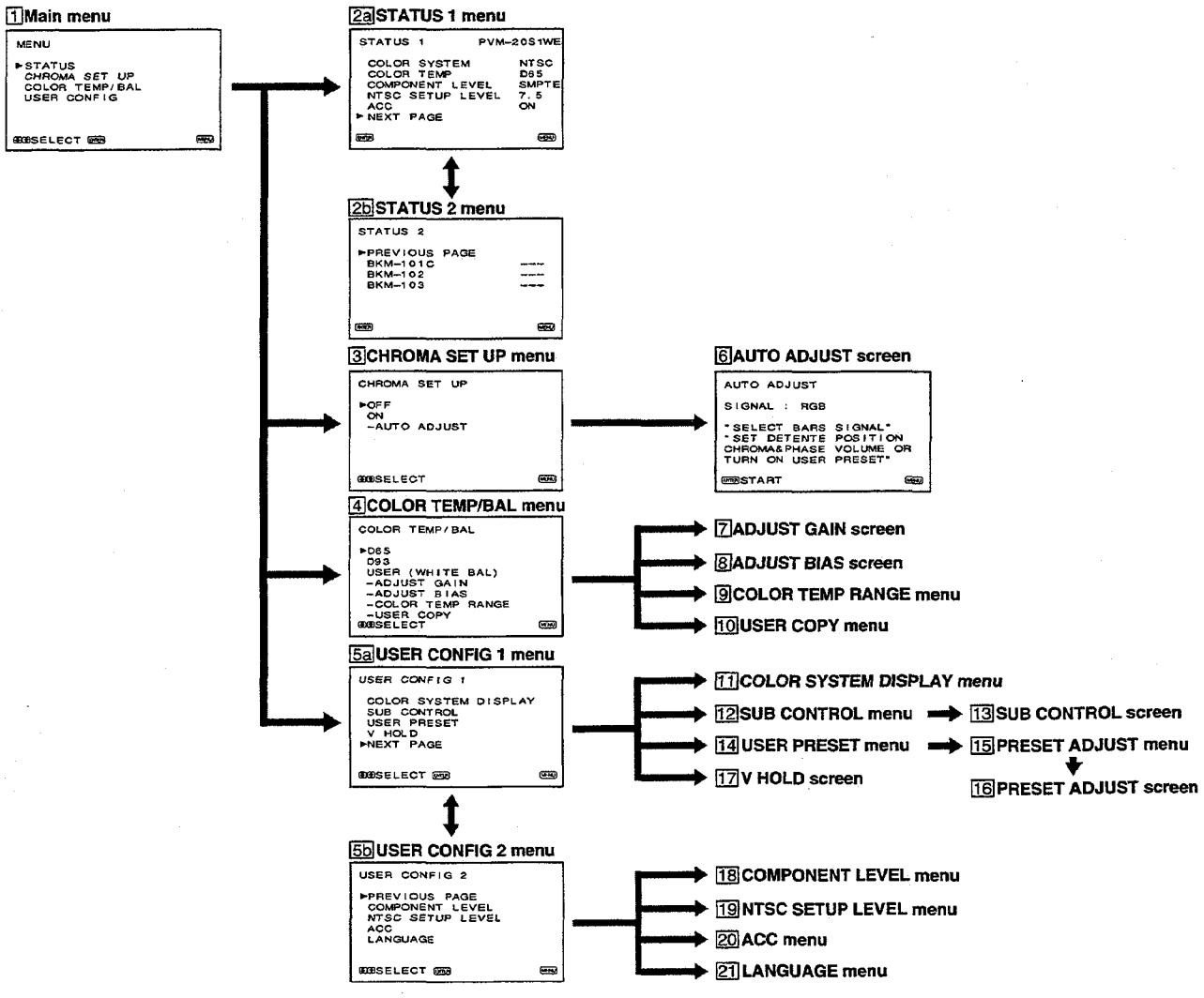
Using On-Screen Menus

You can make various settings and adjustments of the monitor using the on-screen menus.

On-Screen Menu Configuration

On-screen menu tree-chart

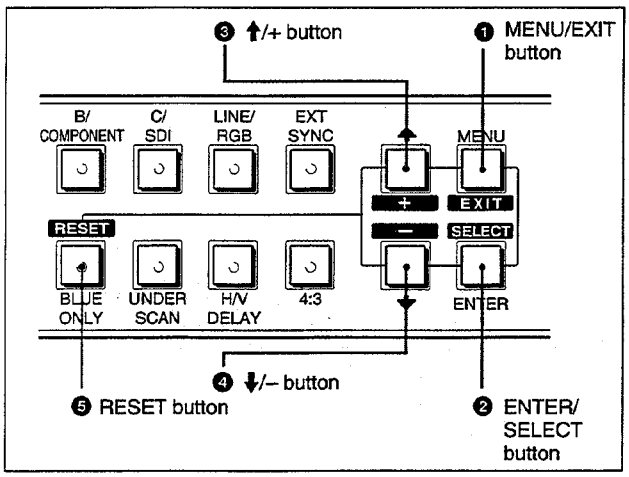
For details on the menu type and each on-screen menu, see "Functions of On-Screen Menus" on page 12.



Operation through On-Screen Menus

Menu operation buttons

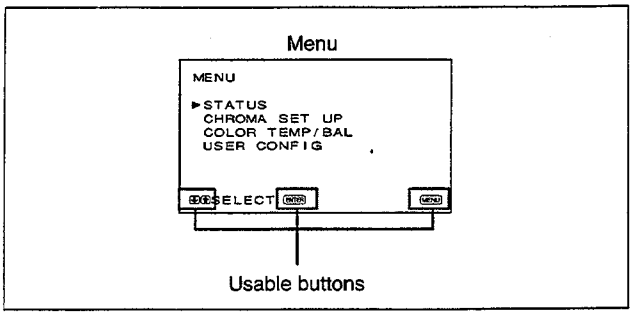
There are five menu operation buttons on the front panel of the monitor.



The following table shows how these five buttons function when using the menus.

Button	To select menu item / To adjust the item selected
❶ MENU / EXIT	return to the previous menu / return to the previous menu
❷ ENTER / SELECT	decide a selected item / select an adjustment item
❸ ↑ / +	move the cursor (▶) upwards / increase selected value
❹ ↓ / –	move the cursor (▶) downwards / decrease selected value
❺ RESET	——— / reset current settings to the factory setting

The buttons that can be used on the menus and adjustment screens are displayed at the bottom of the screen. You can perform menu operation using the displayed buttons.



Display of the usable menu operation buttons

Operating procedures

To display the menu, follow this procedure.

1 Press the MENU/EXIT (❶) button.

MENU (1 : main menu) appears.

2 Move the cursor (▶) to the desired setting menu by pressing the ↓/– or ↑/+ (❹, ❸) button.

3 Press the ENTER/SELECT (❷) button.

The setting menu selected in step **2** appears.

4 Move the cursor (▶) to the desired item by pressing the ↓/– or ↑/+ (❹, ❸) button.

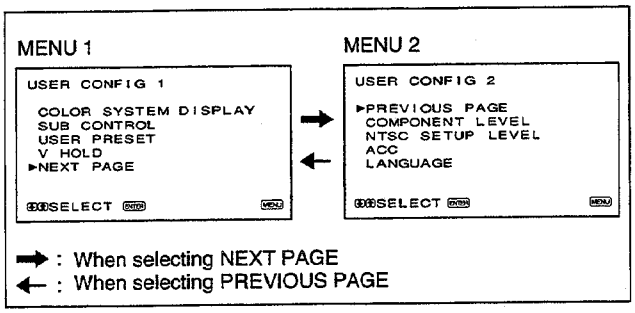
5 Press the ENTER/SELECT (❷) button.

The adjustment screen or setting menu selected in step **4** appears.

For detailed information of menus, see "Functions of On-Screen Menus" on page 12.

To display the next (or previous) page of the menus

Select NEXT PAGE on the menu to display the next page and PREVIOUS PAGE on the menu to display the previous page.



How to display the next or the previous page

To close the menu (to return to the regular screen)

Each time you press the MENU/EXIT (❶) button, the on-screen menu returns to the one previously displayed. Press the MENU/EXIT (❶) button repeatedly until the regular screen appears.

Functions of On-Screen Menus

There are four types of on-screen menus.

Main menu
You can enter another menu such as status menu or setting menu.

Status menu
You can confirm the current settings.

Setting menu
You can select an item or enter an adjustment screen on this menu by using the ↑/+, ↓/– and ENTER/SELECT buttons.

Adjustment screen
You can make adjustments on this screen. The adjustments you made remain unchanged until next change even if you turn off the power.

([ ] indicates the factory setting.)

1 Main menu
Select another menu and press ENTER/SELECT to go to the menu.

2a STATUS 1 menu
Shows the current settings.

2b STATUS 2 menu
Shows what optional kit is installed in the monitor.

3 CHROMA SET UP menu
Select ON on this menu to activate "chroma" and "phase" (NTSC signal only) adjustments done on the AUTO ADJUST screen (6). [OFF]

4 COLOR TEMP/BAL menu
Select the color temperature from among D65, D93 and USER. USER is set to D65 as the factory setting. You can adjust or change the color temperature in USER mode (a measuring instrument is required). [D65]

5a USER CONFIG 1 menu
Select an item to adjust on the menus and screens (11 through 17). To go to the USER CONFIG 2 menu, select NEXT PAGE.

[5b] USER CONFIG 2 menu
Select an item to adjust on the menus ([18] through [21]). To go to the USER CONFIG 1 menu select PREVIOUS PAGE.

[6] AUTO ADJUST screen
Select the color bar signal (full, SMPTE, EIA) and press ENTER/SELECT to start automatic "chroma" and "phase" (NTSC signal only) adjustments. To activate these adjustments, select ON on the CHROMA SET UP menu ([3]).

[7] ADJUST GAIN screen
Adjust GAIN in USER mode.

[8] ADJUST BIAS screen
Adjust BIAS in USER mode.

[9] COLOR TEMP RANGE menu
Select the color temperature range in USER mode.
[5000K–10000K]

[10] USER COPY menu
Store the factory setting of D65 or D93 as the value for USER mode.

[11] COLOR SYSTEM DISPLAY menu
Select the color system type. When AUTO is selected, the color system type being used appears on the screen each time you change the signal input. [AUTO]

[12] SUB CONTROL menu
Select an item (CONTRAST, BRIGHT, CHROMA and PHASE controls on the front panel) to finely adjust on the SUB CONTROL screen ([13]).

[13] SUB CONTROL screen
Finely adjust the selected item on the SUB CONTROL menu ([12]). Each control (CONTRAST, BRIGHT, CHROMA and PHASE control) has a click position at the center of its adjustment range. You can adjust the setting of the click position with this feature.

[14] USER PRESET menu
If you select ON on this menu, the REMOTE indicator lights up and the controls on the front panel do not work. The monitor operates with the user preset settings.
To adjust the user preset settings, select the PRESET ADJUST menu ([15]). [OFF]

[15] PRESET ADJUST menu
You can preset the BRIGHT, CHROMA, PHASE, CONTRAST, VOLUME, and APERTURE controls to a desired level and can use these settings by selecting ON on the USER PRESET menu ([14]).

[16] PRESET ADJUST screen
Adjust the selected item (BRIGHT, CHROMA, PHASE, CONTRAST, VOLUME, and APERTURE control) on the PRESET ADJUST menu ([15]).

[17] V HOLD screen
Adjust the vertical hold if the picture rolls vertically. When you cannot read the display, select the input that is not connected.

[18] COMPONENT LEVEL menu
Select the component level from among three modes.
N10/SMPTE for 100/0/100/0 signal
BETA 7.5 for 100/7.5/75/7.5 signal
BETA 0 for 100/0/75/0 signal
[N10/SMPTE]

[19] NTSC SETUP LEVEL menu
Select the NTSC setup level from two modes.
The 7.5 setup level is mainly used in north America.
The 0 setup level is mainly used in Europe. [0]

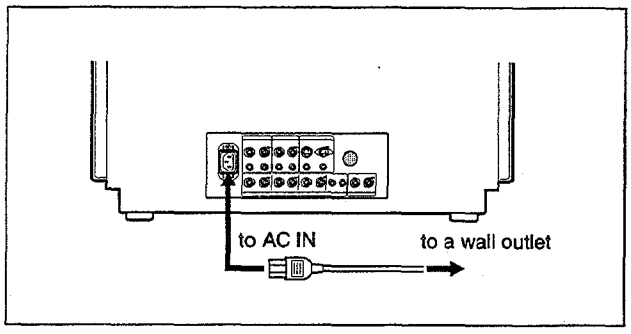
[20] ACC menu
Set ACC (Auto Color Control) circuit on or off. When the fine adjustment is necessary, select OFF on the ACC menu.
Normally select ON. [ON]

[21] LANGUAGE menu
You can select the menu language from among five languages (English, German, French, Italian, Spanish).
[ENGLISH]

Connections

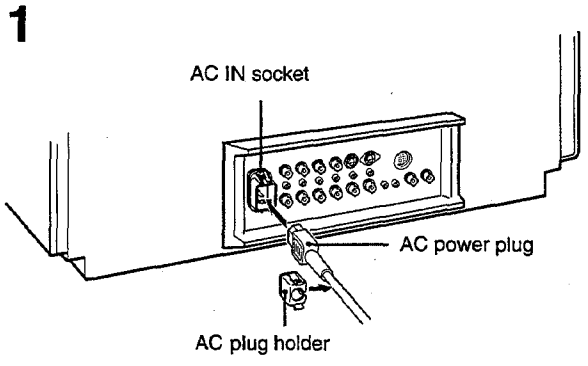
How to Connect the AC Power Cord

Connect the AC power cord (supplied) to the AC IN socket and to a wall outlet.



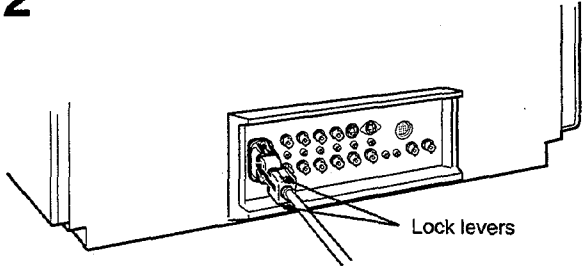
To connect an AC power cord securely with an AC plug holder

1



Plug the power cord into the AC IN socket. Then, attach the AC plug holder (supplied) on top of the AC power cord.

2



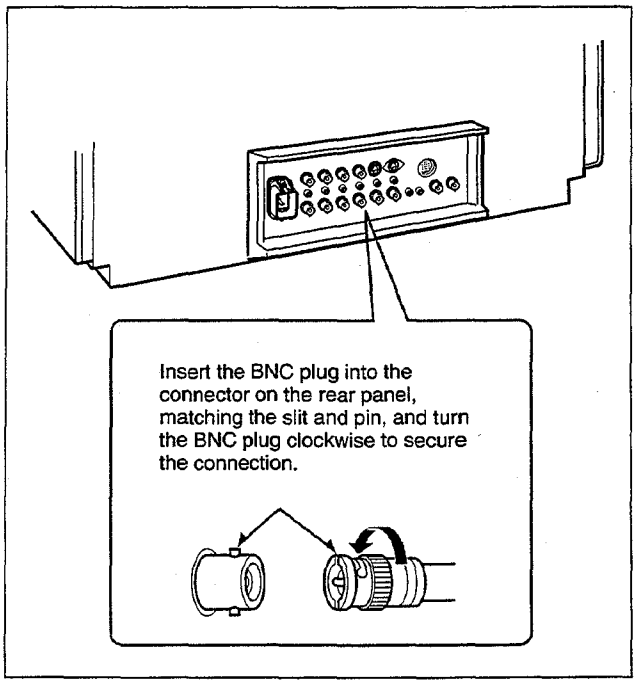
Slide the AC plug holder over the cord until it locks.

To remove the AC power cord

Pull out the AC plug holder while pressing the lock levers.

How to Connect a Cable to a BNC Connector

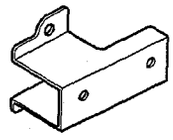
Connect a coaxial cable with the BNC plugs to the BNC connectors on the rear panel as illustrated below.


Insert the BNC plug into the connector on the rear panel, matching the slit and pin, and turn the BNC plug clockwise to secure the connection.

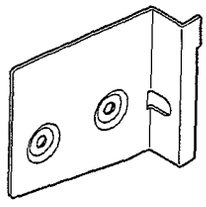
How to Attach the Rack Mount Bracket Kit

The follwoing parts are supplied for this monitor as the rack mount kit.

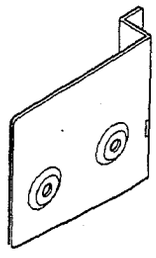
Rack mount bracket kit



Rack mount brackets (A-type) (2)



Rack mount bracket (B-type:right) (1)

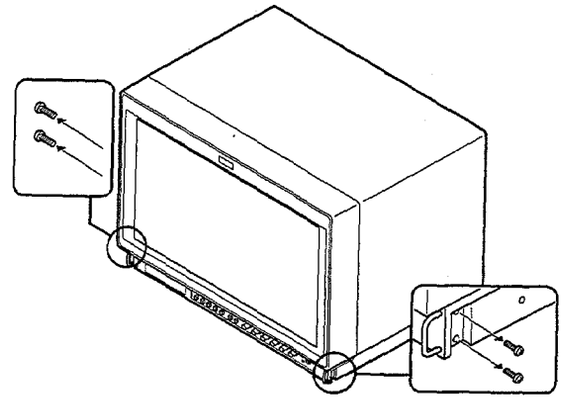


Rack mount bracket (B-type:left) (1)

Screws (B4 x 12) (4)

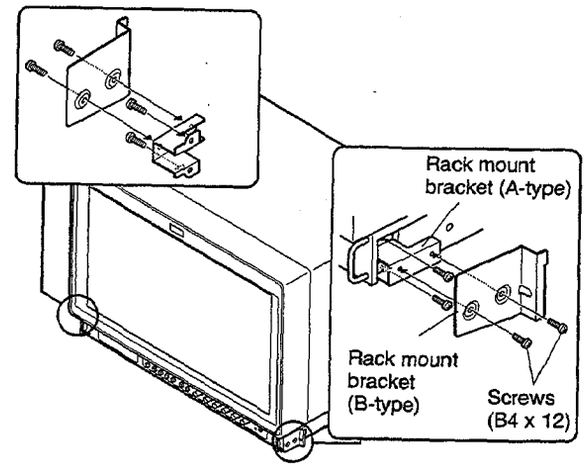
To attach the rack mount kit to the monitor

1



Remove the two screws from the right and left sides of the montor as illustrated.

2



Attach the bracket (A-type) to the place where you have removed two screws, using the two removed screws. Then attach the bracket (B-type: the one for the correct side) on the top of the backet (A-type), using two supplied screws.
Do the same for the other side of the monitor.

For attaching this monitor to the slide rail, refer to the instruction manuals supplied with the slide rail.

Specifications

Video signal

Color system	NTSC, PAL, SECAM, NTSC4.43
Resolution	300 TV lines
Aperture correction	0 dB to +6 dB
Frequency response	
LINE	6 MHz ±3 dB (Y signal)
RGB	6 MHz ±3 dB
Synchronization	AFC time constant 1.0 msec.

Picture performance

Normal scan	7 % over scan of CRT effective screen area
Under scan	5 % underscan of CRT effective screen area
H. linearity	Less than 8.0 % (typical)
V. linearity	Less than 7.0 % (typical)
Convergence	
Central area:	0.6 mm (typical)
Peripheral area:	1.2 mm (typical)
Raster size stability	H: 1.0 %, V: 1.5 %
High voltage regulation	4.0 %
Color temperature	D65/D93 (+8MPCD), selectable USER (3,200K–10,000K, factory setting is D65)

Inputs

LINE A/B	
VIDEO IN	BNC connector (×2), 1Vp-p, ±6 dB, sync negative
AUDIO IN	Phono jack (×2), –5 dBu[a)], more than 47 kilo-ohms
LINE C	
Y/C IN	4-pin mini-DIN (×1) *See the pin assignment on page 17.*
AUDIO IN	Phono jack (×1), –5 dBu[a)], more than 47 kilo-ohms
RGB/COMPONENT	
R/R-Y, G/Y, B/B-Y IN: BNC connector (×3)	
R, G, B channels: 0.7 Vp-p, ±6 dB	
Sync on green: 0.3 Vp-p, negative	
R-Y, B-Y channels: 0.7 Vp-p, ±6 dB	
Y channel: 0.7 Vp-p, ±6 dB	
(Standard color bar signal of 75 % chrominance)	
AUDIO IN	Phono jack (×1), –5 dBu[a)], more than 47 kilo-ohms
EXT SYNC IN	BNC connector (×1) 4 Vp-p, ±6 dB, sync negative
REMOTE	20-pin connector (×1) *See the pin assignment on page 17.*

a) 0 dBu = 0.775 Vr.m.s.

Outputs

LINE A/B	
VIDEO OUT	BNC connector (×2), loop-through Automatic 75-ohm termination
AUDIO OUT	Phono jack (×2), loop-through
LINE C	
Y/C OUT	4-pin mini-DIN (×1), loop-through Automatic 75-ohm termination
AUDIO OUT	Phono jack (×1), loop-through
RGB/COMPONENT	
R/R-Y, G/Y, B/B-Y OUT: BNC connector (×3), loop-through Automatic 75-ohm termination	
AUDIO OUT	Phono jack (×1), loop-through
EXT SYNC OUT	BNC connector (×1), loop through Automatic 75-ohm termination
Speaker output	Output level: 0.8 W

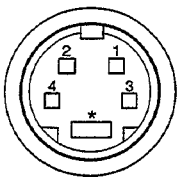
General

CRT	P-22 phosphor
Power consumption	100 Wh (with SDI: 110 Wh)
Power requirements	220 to 240 V AC, 50/60Hz
Operating temperature	0 to +35°C (32 to 95°F)
Storage temperature	–10 to +40°C (14 to104°F)
Operating humidity	35 to 85 % (no condensation)
Storage humidity	0 to 90 %
Dimensions (w/h/d)	Approx. 482 × 397 × 503 mm (19 × 15¾ × 19⅞ inches) not incl. projecting parts and controls
Mass	Approx. 25 kg (55 lb 2 oz)
Accessory supplied	AC power cord (1)
	AC plug holder (1)
	Tally label (1)
	Cable with a 20-pin connector (1)
	Rack mount kit (1)
	Rack mount brackets (A-type) (2)
	Rack mount bracket (B-type:right) (1)
	Rack mount bracket (B-type:left) (1)
	Screws (B4 x 12) (4)
	Operating instructions (1)

Design and specifications are subject to change without notice.

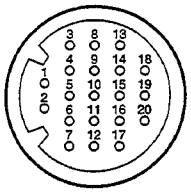
Pin assignment

Y/C IN connector (4-pin mini-DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA subcarrier-input	300m Vp-p, burst Delay time between Y and C: within 0 ± 100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

REMOTE connector (20-pin)



Pin No.	Signal	Wire color
1	Blue only	Brown
2	H/V DELAY	Red
3	MAIN/SUB*	Orange
4	EXT SYNC	Yellow
5	DEGAUSS	Green
6	R ch ON/OFF*	Blue
7	TALLY	Purple
8	LINE B	Grey
9	GND	White
10	GND	Black
11	GND	Pink
12	GND	Light Blue
13	LINE A	Spiral Orange
14	LINE/RGB	Spiral Yellow
15	GND	Spiral Green
16	L ch ON/OFF*	Spiral Blue
17	REMOTE	Spiral Purple
18	LINE C	Spiral Grey
19	UNDER SCAN	Spiral Pink
20	4:3	Spiral Light Blue

(* For digital audio control)

How to connect a remote control unit

Connect No.17 pin to one of the GND pins (No.9 – 12, and 15), then connect pins for the functions you want to use to other GND pins (No.9 – 12, and 15).

How to light the tally lamp

Connect No.7 pin to one of the GND pins (No.9 – 12, and 15).

Précautions

AVERTISSEMENT

Afin d'éviter tout risque d'incendie ou d'électrocution, ne pas exposer cet appareil à la pluie ou à l'humidité.

Des courants de hautes tensions dangereuses sont présents à l'intérieur de cet appareil.
Ne pas ouvrir le coffret.
S'adresser à un personnel qualifié uniquement.

Dans le cas d'une défaillance ou de nécessité d'entretien, consulter un revendeur Sony autorisé.

Sécurité

- Le moniteur ne fonctionne que sur une tension de 220 à 240 V AC.
- La plaquette signalétique indiquant la tension de service, la consommation électrique, etc., se trouve à l'arrière de l'appareil.
- Si un liquide ou un objet pénètre à l'intérieur du châssis, débranchez le moniteur et faites-le contrôler par un personnel qualifié avant de le remettre en service.
- Ne laissez pas tomber le cordon d'alimentation et ne posez pas d'objets lourds dessus. Si le cordon d'alimentation est endommagé, mettez immédiatement le moniteur hors tension. Il est dangereux de faire fonctionner cet appareil avec un cordon endommagé.
- Débranchez l'appareil de la prise murale si vous prévoyez de ne pas l'utiliser pendant quelques jours ou plus.
- Pour débrancher le cordon, tirez-le par la fiche. Ne tirez jamais sur le cordon proprement dit.
- La prise d'alimentation doit se trouver à proximité du moniteur et être aisément accessible.

Installation

- Veillez à assurer une circulation d'air suffisante pour éviter toute surchauffe à l'intérieur de l'appareil. Ne placez pas l'appareil sur des surfaces textiles (tapis, couvertures, etc.) ni à proximité de rideaux ou de tentures susceptibles d'obstruer les orifices de ventilation.
- N'installez pas l'appareil à proximité de sources de chaleur comme un radiateur ou une bouche d'air chaud, ni dans un endroit exposé au rayonnement solaire direct, à des poussières excessives, à des vibrations ou à des chocs mécaniques.

Entretien

Pour que le moniteur garde l'aspect du neuf, nettoyez-le régulièrement à l'aide d'une solution détergente neutre. N'utilisez jamais de solvants puissants tels que du diluant ou du benzène, qui risquent d'altérer le fini du châssis. Par mesure de précaution, débranchez le moniteur avant de le nettoyer.